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| 117 and 134 | 2 |

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| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | 116 and 126 | 0 | L51 |
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| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | 113 and 126 | 0 | L48 |
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| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | 110 and 126 | 0 | L45 |
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| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | 18 and 126 | 3 | L43 |

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| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | (placeholder or slot or space and document) | 831966 | L27 |
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| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((((701/\$)!.CCLS.)) | 17979 | L16 |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((((704/\$)!.CCLS.)) | 10847 | L15 |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((((717/\$)!.CCLS.)) | 2682 | L14 |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((((717/3)!.CCLS.)) | 222 | L13 |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((((704/9)!.CCLS.)) | 433 | L12 |
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WEST**Generate Collection****Search Results - Record(s) 1 through 2 of 2 returned.**☐ 1. Document ID: US 6240414 B1

L55: Entry 1 of 2

File: USPT

May 29, 2001

US-PAT-NO: 6240414

DOCUMENT-IDENTIFIER: US 6240414 B1

TITLE: Method of resolving data conflicts in a shared data environment

DATE-ISSUED: May 29, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|---------------|-------|----------|---------|
| Beizer; Mordechai M. | Scarsdale | NY | N/A | N/A |
| Berg; Daniel | Wilton | CT | N/A | N/A |
| Scullard; Rand | New York | NY | N/A | N/A |
| Simha; Pradeep R. | St. James | NY | N/A | N/A |
| Solomon; Mark A. | N. Massapequa | NY | N/A | N/A |

US-CL-CURRENT: 707/8; 707/1, 707/10

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|

☐ 2. Document ID: US 5523942 A

L55: Entry 2 of 2

File: USPT

Jun 4, 1996

US-PAT-NO: 5523942

DOCUMENT-IDENTIFIER: US 5523942 A

TITLE: Design grid for inputting insurance and investment product information in a computer system

DATE-ISSUED: June 4, 1996

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|------------|-------|----------|---------|
| Tyler; Max C. | Duxbury | MA | N/A | N/A |
| Maimone; Maureen A. | Peabody | MA | N/A | N/A |
| Lev; Christina M. | Framingham | MA | N/A | N/A |
| Baker; Norman W. | Haverhill | MA | N/A | N/A |
| Watson; Robert W. | Melrose | MA | N/A | N/A |

US-CL-CURRENT: 705/4; 705/34, 707/507

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|
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L34: Entry 1 of 4

File: USPT

May 29, 2001

US-PAT-NO: 6240414

DOCUMENT-IDENTIFIER: US 6240414 B1

TITLE: Method of resolving data conflicts in a shared data environment

DATE-ISSUED: May 29, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|---------------|-------|----------|---------|
| Beizer; Mordechai M. | Scarsdale | NY | N/A | N/A |
| Berg; Daniel | Wilton | CT | N/A | N/A |
| Scullard; Rand | New York | NY | N/A | N/A |
| Simha; Pradeep R. | St. James | NY | N/A | N/A |
| Solomon; Mark A. | N. Massapequa | NY | N/A | N/A |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|-------------------|-----------|-------|----------|---------|-----------|
| eiSolutions, Inc. | Billerica | MA | N/A | N/A | 02 |

APPL-NO: 9/ 136231

DATE FILED: August 19, 1998

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application claims priority under 35 U.S.C. .sctn.119 from U.S. Provisional Application Ser. No. 60/060,225 entitled "Structured Workfolder," filed on Sep. 28, 1997, the contents of which is hereby incorporated by reference.

INT-CL: [7] G06F 17/30

US-CL-ISSUED: 707/8; 707/1, 707/10

US-CL-CURRENT: 707/8; 707/1, 707/10

FIELD-OF-SEARCH: 707/1-10, 707/100-104, 707/200-206, 711/162, 711/144, 711/152, 712/16, 712/31, 713/202, 345/331, 345/333, 345/348, 701/202

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected**Search ALL**

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|--------------------------|----------------|----------------|-------------------|---------|
| <input type="checkbox"/> | <u>4953080</u> | September 1998 | Dysart et al. | 707/103 |
| <input type="checkbox"/> | <u>4974173</u> | November 1990 | Stefik et al. | 345/331 |
| <input type="checkbox"/> | <u>5008853</u> | April 1991 | Bly et al. | 345/331 |
| <input type="checkbox"/> | <u>5065347</u> | November 1991 | Pajak et al. | 345/348 |
| <input type="checkbox"/> | <u>5107433</u> | April 1992 | Smith et al. | 701/202 |
| <input type="checkbox"/> | <u>5115504</u> | May 1992 | Belove et al. | 707/100 |
| <input type="checkbox"/> | <u>5220657</u> | June 1993 | Bly et al. | 711/152 |
| <input type="checkbox"/> | <u>5251294</u> | October 1993 | Abelow | 707/512 |
| <input type="checkbox"/> | <u>5276835</u> | January 1994 | Mohan et al. | 711/144 |
| <input type="checkbox"/> | <u>5280609</u> | January 1994 | MacPhail | 707/1 |
| <input type="checkbox"/> | <u>5339389</u> | August 1994 | Bates et al. | 345/331 |
| <input type="checkbox"/> | <u>5428729</u> | June 1995 | Chang et al. | 345/331 |
| <input type="checkbox"/> | <u>5504889</u> | April 1996 | Burgess | 707/100 |
| <input type="checkbox"/> | <u>5504890</u> | April 1996 | Sanford | 707/3 |
| <input type="checkbox"/> | <u>5506983</u> | April 1996 | Atkinson et al. | 707/1 |
| <input type="checkbox"/> | <u>5530880</u> | June 1996 | Katsurabayashi | 713/201 |
| <input type="checkbox"/> | <u>5544360</u> | August 1996 | Lewak et al. | 707/1 |
| <input type="checkbox"/> | <u>5551046</u> | August 1996 | Mohan et al. | 707/8 |
| <input type="checkbox"/> | <u>5559692</u> | September 1996 | Telingator et al. | 705/8 |
| <input type="checkbox"/> | <u>5583993</u> | December 1996 | Foster et al. | 709/205 |
| <input type="checkbox"/> | <u>5590356</u> | December 1996 | Gilbert | 712/31 |
| <input type="checkbox"/> | <u>5627967</u> | May 1997 | Dauerer et al. | 713/202 |
| <input type="checkbox"/> | <u>5634123</u> | May 1997 | Bennion | 707/100 |
| <input type="checkbox"/> | <u>5659734</u> | August 1997 | Tsuruta et al. | 707/8 |
| <input type="checkbox"/> | <u>5671407</u> | September 1997 | Demers et al. | 707/8 |
| <input type="checkbox"/> | <u>5692178</u> | November 1997 | Shaughnessy | 707/8 |
| <input type="checkbox"/> | <u>5701462</u> | December 1997 | Whitney et al. | 707/10 |
| <input type="checkbox"/> | <u>5706452</u> | January 1998 | Ivanov | 345/331 |
| <input type="checkbox"/> | <u>5752068</u> | May 1998 | Gilbert | 712/18 |
| <input type="checkbox"/> | <u>5781908</u> | July 1998 | Williams et al. | 707/104 |
| <input type="checkbox"/> | <u>5809543</u> | September 1998 | Byers et al. | 711/162 |

ART-UNIT: 271

PRIMARY-EXAMINER: Ho; Ruay Lian

ATTY-AGENT-FIRM: Hamilton, Brook, Smith & Reynolds, P.C.

ABSTRACT:

A method and system for automatically resolving data conflicts in a shared data environment where a plurality of users can concurrently access at least portions

of a master data file is presented. Users process data files by means of local copies of a master data file. When an attempted update of a master data file with an edited data file from a user is detected, the updating file is analyzed to determine if any changes made are in conflict with changes made to the master data file by a second user. If a conflict is detected, it is resolved by merging the updating file into the master file according to a predefined set of rules. For conflicts which are not resolved by rule-based reconciliation, at least one user is notified of the conflict and presented with conflict resolving information and the conflict is resolved according to user input.

37 Claims, 11 Drawing figures